

Realex, Division of United Industries Corp.  
P O Box 15842, St Louis, MO 63114

# Material Safety Data Sheet

Complies with OSHA's Hazard Communication Standard, 29 CFR 1910.1200

## Hazardous Material Identification System-(HMIS)

HEALTH - 2

REACTIVITY - 0

FLAMMABILITY - 2

PERSONAL - Rubber gloves, face mask/goggles

**I Trade Name:** Real-Kill® Diazinon Insect Killer Spray Concentrate

**Product Type:** Liquid Hose-End Concentrate Insecticide

**Product Item Number:** 10042

**Formula Code Number:** 21-0327

**EPA Registration Number**

**Manufacturer**

**Emergency Telephone No.**

8845-92-478

Chemsico  
8494 Chapin Industrial Dr.  
St Louis, MO 63114

For Chemical Emergency:  
For Information:  
Prepared by:  
Date Prepared

1-800-633-2873  
1-800-897-8524  
C A Duckworth  
August 19, 1999

## II Hazardous Ingredients/Identity Information

| Chemical                        | %    | OSHA PEL                     | ACGIH TLV             |
|---------------------------------|------|------------------------------|-----------------------|
| Aromatic Petroleum Hydrocarbon  | 59.0 | 100 ppm                      | NA                    |
| CAS #64742-94-5                 |      |                              |                       |
| Paraffinic Petroleum Distillate | 10.0 | 100 ppm                      | 100 ppm               |
| CAS #64742-21-8                 |      |                              |                       |
| Diazinon                        | 25.0 | 0.1 mg/m <sup>3</sup> (skin) | 0.1 mg/m <sup>3</sup> |
| CAS #333-41-5                   |      |                              |                       |

## III Physical and Chemical Characteristics

|                      |  |
|----------------------|--|
| Appearance and Odor  | Clear yellow liquid Strong diazinon odor |
| Boiling Point        | NA                                       |
| Melting Point        | NA                                       |
| Vapor Pressure       | NA                                       |
| Specific Gravity     | 0.93 (H <sub>2</sub> O=1)                |
| Vapor Density        | greater than 1 (Air=1)                   |
| % Volatile (by vol.) | 70%                                      |
| Solubility in Water  | emulsifiable in water                    |
| Evaporation Rate     | less than 1 (Butyl Acetate=1)            |

## IV Fire and Explosion Hazard Data

Flash Point: 153°F (TCC)  
Flame Extension: N/A  
Flammable Limits: N/E  
Autoignition Temp: N/A  
Fire Extinguishing Media: Water Fog, Carbon Dioxide, Dry Chemical  
Decomposition Temp: N/A  
Special Fire-Fighting Procedures: Keep containers cool to avoid explosive ignition. Use self-contained breathing apparatus in enclosed areas. Dike area to prevent runoff. Fight fire upwind.  
Unusual Fire and Explosion Hazards: Vapors are heavier than air and may travel along ground to ignition sources distant from handling point. Vapors and fumes may be hazardous. Also see Section V.

## V Reactivity Data

|                                       |  |
|---------------------------------------|--|
| Stability                             | Stable   |
| Polymerization                        | Will not occur   |
| Conditions to Avoid                   | Acids and bases  |
| Incompatible Materials                | N/A  |
| Hazardous Decomposition or Byproducts | O,S-TEPP (in presence of trace amounts of water). This reaction will not occur when diazinon is mixed with large amounts of water. |

## VI Health Hazard Data

**Ingestion (Swallowing):** Harmful if swallowed. **First Aid:** Call a physician immediately. DO NOT INDUCE VOMITING UNLESS NO OTHER TREATMENT IS AVAILABLE. Vomiting may cause aspiration pneumonia. If it is necessary to induce vomiting, give victim one or two glasses of water and insert finger in back of throat. Do not induce vomiting or give anything by mouth if person is unconscious or convulsing.  
**Skin Contact:** Harmful if absorbed through skin. **First Aid:** Wash promptly with soap and water. Rinse thoroughly. Get medical attention.  
**Eye Contact:** Causes moderate eye injury. **First Aid:** Rinse eyes with plenty of water and call a physician immediately.  
**Inhalation Toxicity:** Harmful if inhaled. **First Aid:** Remove victim to fresh air and apply artificial respiration if indicated. Get medical attention.  
**Special Notes:** This product is an organophosphate insecticide. If symptoms of cholinesterase inhibition are present, atropine sulfate by injection is antidotal. 2-PAM is also antidotal and may be administered, but only in conjunction with atropine. This product contains aromatic petroleum distillates that may present an aspiration hazard. Gastric lavage may be indicated if product was taken internally.  
**Health Conditions Aggravated by Exposure:** Existing skin or respiratory disorders.  
**Ingredients Listed by NTP, OSHA or IARC as Carcinogens or potential carcinogens:** None.

## VII Precautions for Safe Handling and Use

**Steps to be Taken in Case Material is Released or Spilled:**  
Avoid breathing vapors. Remove ignition sources. Avoid skin contact with liquid. Soak up with absorbent material.  
**Waste Disposal:**  
Give to qualified waste disposal service.  
**Handling & Storage Precautions:**  
Store in well-ventilated area, away from food and beverages. Wash thoroughly after handling. Do not store where temperatures can exceed 54°C/130°F.

## VIII Control Measures

Read and follow label directions. They are your best guide to using this product effectively and give necessary safety precautions to protect health.

## IX Transportation Data

DOT Shipping Name - Consumer Commodity  
DOT Hazard Class - Class III-A Liquid/ORM-D

The information and statements herein are believed to be reliable but are not to be construed as warranty or representation for which we assume legal responsibility. Users should undertake sufficient verification and testing to determine the suitability for their own particular purpose of any information or products referred to herein. NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE.